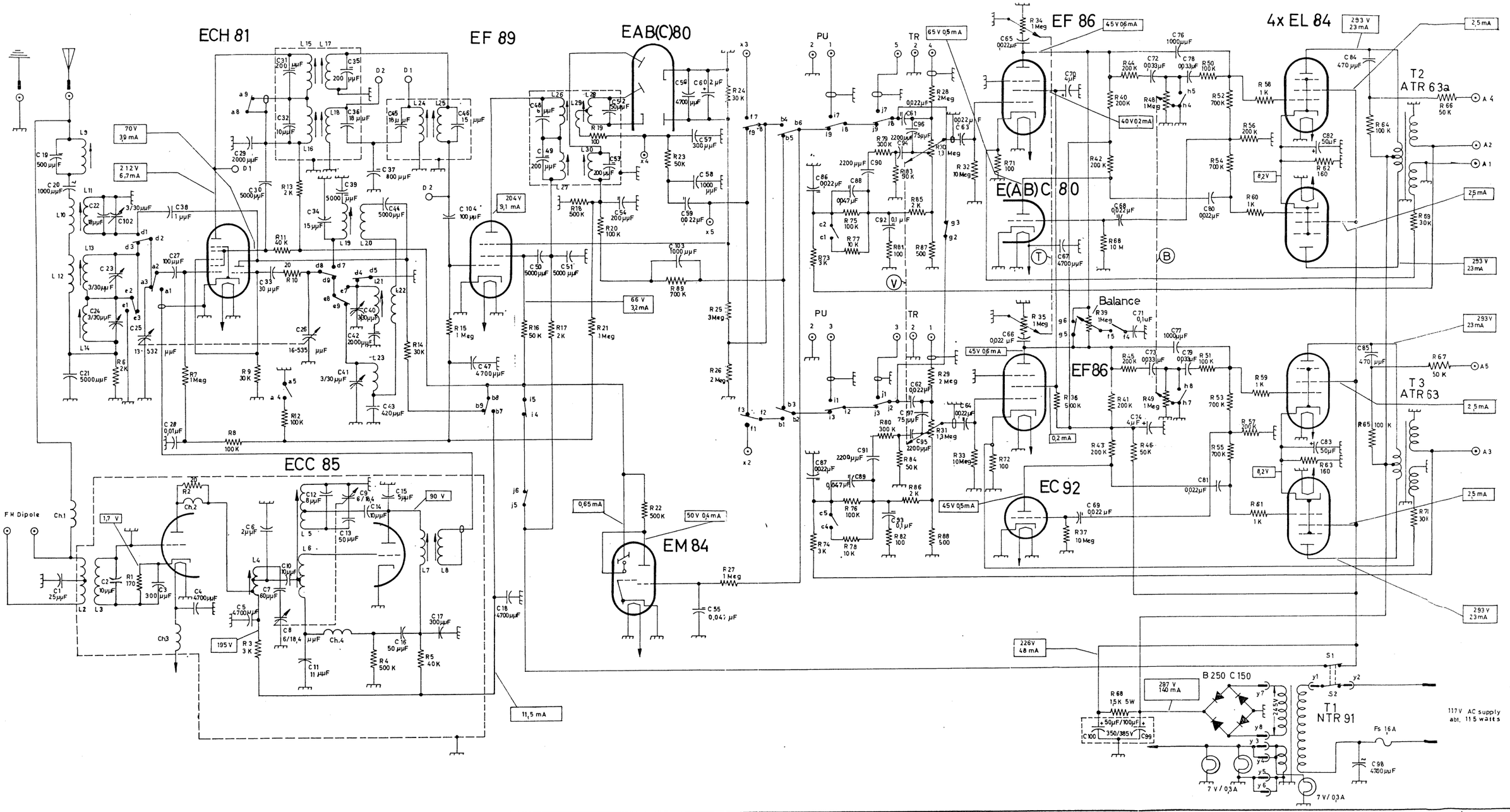
ECH 81 · EF 89 · EAB(C)80 · EF 86 · 4x EL 84 · ECC 85 · EM 84 · E(A)B(C) 80 · EF86 · EC 92 · T2 ATR 63a · T3 ATR 63 · T1 NTR 91 · B 250 C 150



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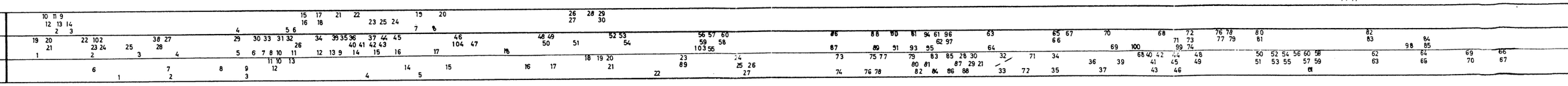

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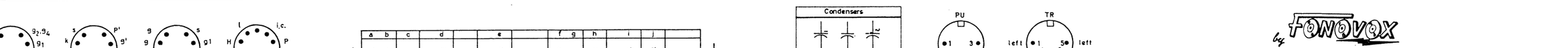

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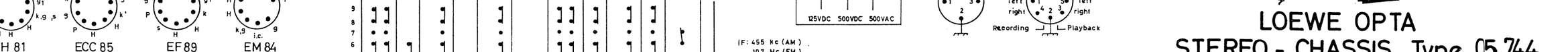
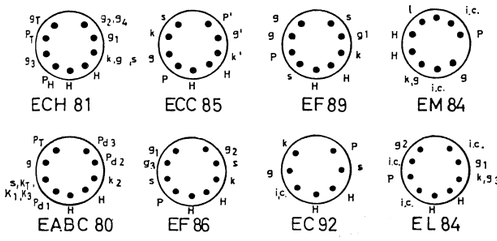
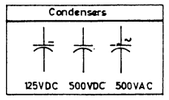




	a b	c	d		e		f g	h	i	j	
9											
8											
7											
6											
5											
4											
3											
2											
1											
	FM	BASS	SW 1	Hi Fi	SW2	BC	STEREO	Voice	PU	TR	off

Condensers

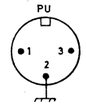


IF: 455 Kc (AM)
10,7 Mc (FM)

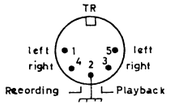
Position shown: BC; Hi Fi

All voltages measured between points indicated and ground using 33 K ohms/V meter (300 V-range) in FM-position

PU



TR



X

Y

by FONOVOX

LOEWE OPTA
STEREO - CHASSIS Type 05 744

Edition 1

Kora-Luxus 05871
Patricia 05872
Patricia-Luxus 05881

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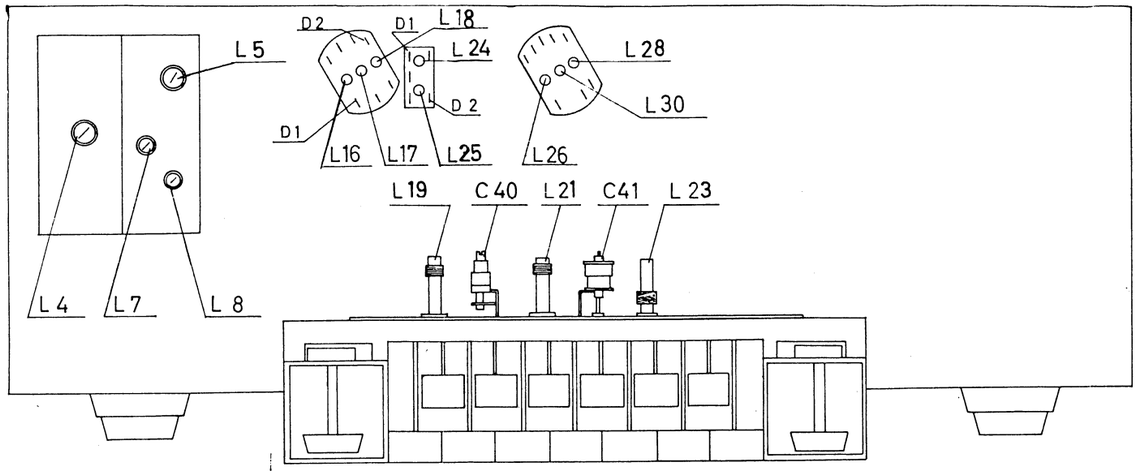
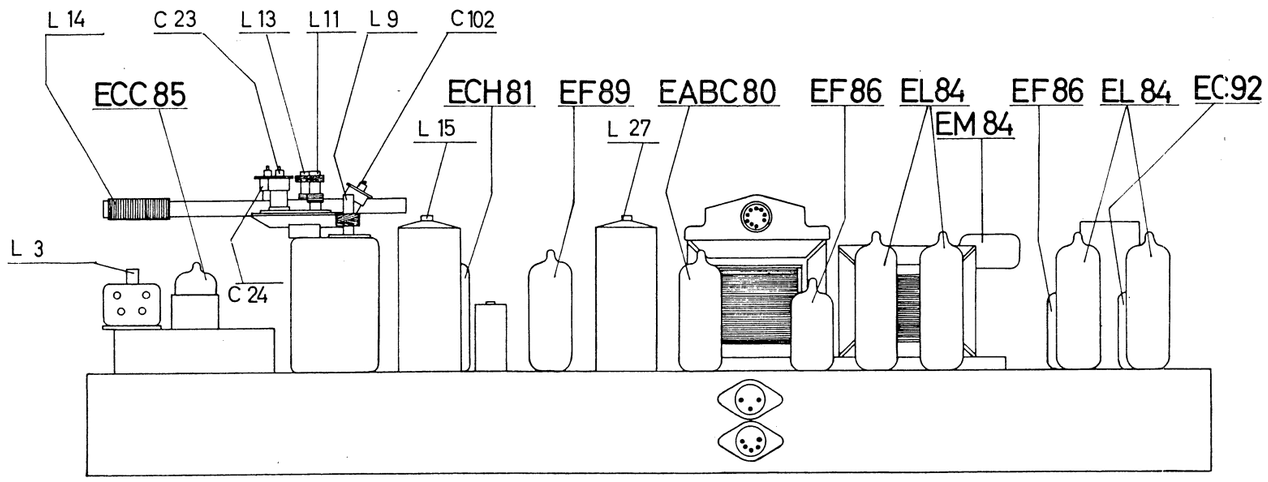
gepr. 11.8.59





AM Intermediate frequency alignment 455 Kc

Range	position of pointer	Signal generator connection	Alignment	Remarks
BC	appr. 600 Kc	grid 1 EF 89	L 30 and L 27 maximum	When aligning one side of IF-Filter, the other side has to be damped by a combination of 5 KΩ and 5000 µµF in series.
		grid 1 ECH 81	L 17 and L 15 maximum	
BC	appr. 600 Kc	antenna socket	L 9 minimum	

FM Intermediate frequency 10,7 Mc

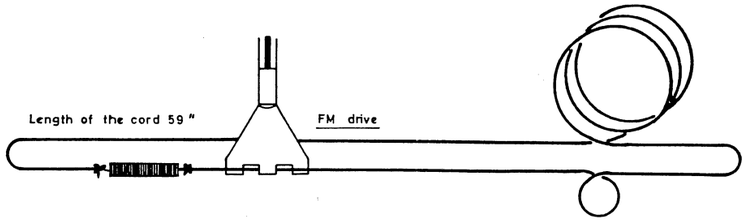
Signal generator	Signal generator connection	Alignment	Remarks
frequency - modulated deviation ± 15 Kc	grid 1 EF 89	L 28 and L 26 maximum	Alignment indication: outputmeter, generator voltage should not be higher than necessary for appr. 1 volt, measured on outputmeter (Volume max.). When aligning the fourcircuit IF-filter, two circuits have to be damped by a combination of 5 KΩ and 5000 µµF in series. At first L19 and L16 and then L20 and L18
	grid 1 ECH 81	L 25 and L 18 maximum L 24 and L 16 maximum	
	insulated wire (ECC85 → to the service oscillator)	L 8 and L 7 maximum	D = damping points.

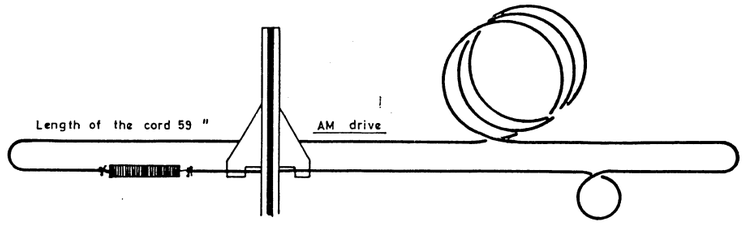
BC and SW alignment

Range	Frequency position of pointer	Oscillator	RF circuit	Remarks
BC	525 Kc 1600 Kc 560 Kc 1450 Kc	L 23 C 41	L 14 (on ferrite rod) C 24	Pointer on calibration points of the dial. Alignment to be repeated several times for maximum output.
SW 2	2,5 Mc	L 21	L 13	
SW 2	6 Mc	C 40	C 23	
SW 1	10,7 Mc	L 19		
SW 1	7 Mc		L 11	
SW 1	20 Mc		C 102	

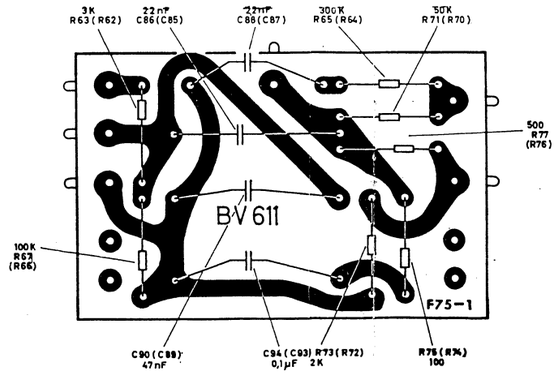
FM circuit alignment

Signal generator	Frequency position of pointer	Oscillator	RF circuit	Remarks
frequency - modulated deviation ± 15 Kc	98 Mc	L 5	L 4	Signal generator symm.(240 Ω) on dipole jacks. Input appr. 5-10 µV. Alignment indication: outputmeter.

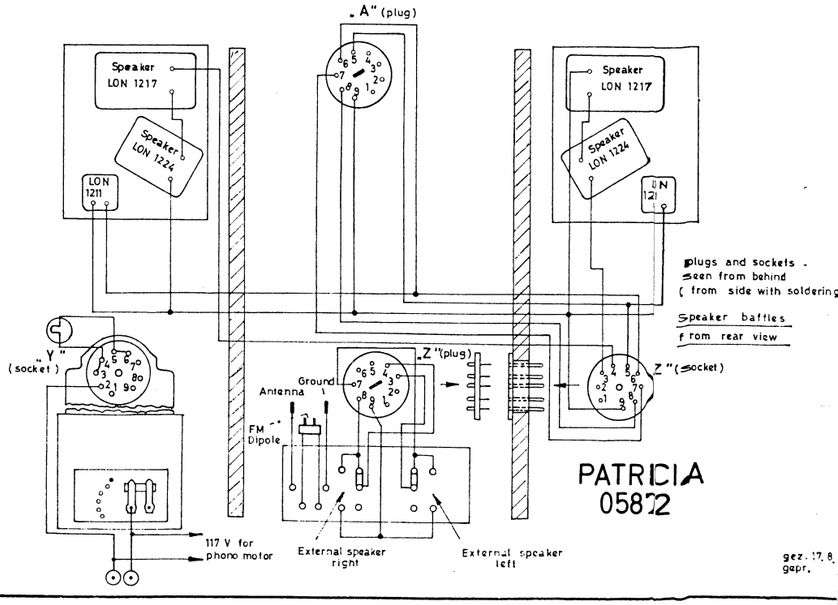




Tube interchangeability chart American and European types	
American type	European type
—	EM 84
6AJ8	ECH 81
6267	EF 86
6AQ8	ECC 85
6DA6	EF 89
6T8	EABC 80
6AB4	EC 92
6BQ5	EL 84



Schematic for cabinet wiring



gez. 17.8.
gepr.